



Straight Shank

### FEATURES

- Solid bar-stock drilled design
- 3 different shank styles
- Threaded process connection

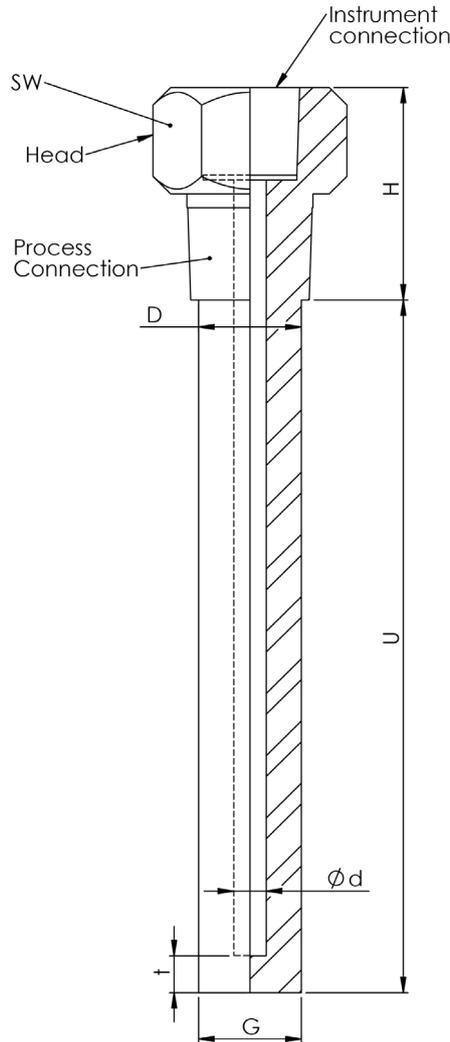
### APPLICATIONS

- Air & flue gas
- Tanks & vessels
- Oil & Gas applications
- Corrosive environments
- Power & Steel industries
- HVAC, Air filters & utilities
- On-shore/Off-shore application

### STANDARD PARAMETERS

Shank form	Straight
Material	AISI 316 SS
Instrument connection	½" NPT (F)
Bore diameter	7 mm
Lag extension	50 mm
Root diameter	By order
Tip diameter	By order
Immersion length	By order
Tip thickness	5 mm
Process connection	½" NPT (M)

## DIMENSIONAL DRAWING



Process Connection	Head Design		Dimension in mm				
	Hexagon or round with hexagon (Metric)	Round with wrench flats (Metric)	Instrument connection	D	G	Ød	H
1/2" NPT	HEX 27	Ø 34 mm with SW 28	• 1/2" NPT • 1/2" BSP	16	13	• 6.6 • 8.5	45
3/4" NPT	HEX 27		• 1/2" NPT • 1/2" BSP	22	16	• 6.6 • 8.5	45
1" NPT	HEX 36		• 1/2" NPT • 1/2" BSP	27	19	• 6.6 • 8.5	51

### ORDERING CODES

<b>1. SHANK FORM</b>		<b>S</b>	<b>8. TIP DIAMETER ("D")</b>		<b>18</b>
<b>S</b>	Straight		<b>XX.X</b>	Mention in 'mm'	
<b>2. MATERIAL</b>		<b>MG</b>	<b>9. BORE DIAMETER ("d")</b>		<b>UU</b>
<b>MB</b>	Carbon Steel / ASTM A105	<b>MG</b>	AISI 316L SS	<b>UU</b>	7 mm
<b>MC</b>	AISI 304SS	<b>MV</b>	Titanium	<b>VV</b>	9.0 mm
<b>MF</b>	AISI 316 SS		<b>WW</b>	9.6 mm	<b>YY</b> 11 mm
<b>MM</b>	Monel		<b>ZZ</b>	13 mm	
<b>MO</b>	Hastelloy C-276		<b>10. IMMERSION LENGTH ("U")</b>		
<b>MR</b>	Inconel 625		<b>XXXX</b>	50 mm up to 1000 mm	
<b>MI</b>	AISI 321 SS		<b>11. TIP THICKNESS ("t")</b>		
<b>3. INSTRUMENT CONNECTION</b>		<b>05N</b>	<b>11. TIP THICKNESS ("t")</b>		<b>NN</b>
<b>05N</b>	¾" NPT (F)	<b>04N</b>	½" NPT (F)	<b>QQ</b>	5mm
<b>02B</b>	¼" BSP (F)	<b>06N</b>	1" NPT (F)	<b>NN</b>	6.35 mm (¼")
<b>05B</b>	¾" BSP (F)	<b>04B</b>	½" BSP (F)	<b>OO</b>	10mm
<b>04M</b>	M20 x 1.5 mm (F)	<b>06B</b>	1" BSP (F)	<b>12. OTHER OPTIONS</b>	
<b>4. PROCESS CONNECTION</b>		<b>15N</b>	<b>XI</b>		Plug & chain in SS
<b>14N</b>	½" NPT (M)	<b>15N</b>	¾" NPT (M)	<b>XL</b>	Marking by laser
<b>16N</b>	1" NPT (M)	<b>17N</b>	1.5" NPT (M)	<b>TC</b>	Material test certificate
<b>18N</b>	2" NPT (M)	<b>14B</b>	½" BSP (M)	<b>TH</b>	Hydro test certificate
<b>15B</b>	¾" BSP (M)	<b>16B</b>	1" BSP (M)	<b>TN</b>	NACE standards
<b>17B</b>	1.5" BSP (M)	<b>18B</b>	2" BSP (M)	<b>TW</b>	WFC as per PTC 19.3TW:2010
<b>14M</b>	M20 x 1.5 mm (M)		<b>5. HEAD SIZE</b>		
<b>5. HEAD SIZE</b>		<b>27</b>	<b>XX</b>		
<b>6. LAG EXTENSION ("H")</b>		<b>210</b>	Mention in 'mm'		
<b>6. LAG EXTENSION ("H")</b>		<b>210</b>	<b>XXX</b>		
<b>7. ROOT DIAMETER ("G")</b>		<b>20</b>	35 mm up to 250 mm		
<b>7. ROOT DIAMETER ("G")</b>		<b>20</b>	<b>XX.X</b>		
<b>7. ROOT DIAMETER ("G")</b>		<b>20</b>	Mention in 'mm'		

**Ordering Example :**  
**MT-W300TD-S-MG-05N-15N-27-210-20-18-UU-100-NN-TC**

#### NOTES

- Other pipe/tube sizes, «U» lengths, connections are available. please contact factory for details.
- Please refer "Technical Guidance Sheet" for the proper selection of connections according to Head size and Outer diameter of the well.